

**SOFTWARE SYSTEM AND METHODS FOR IDENTIFYING
AND DISPLAYING MODIFICATIONS TO WEB SITES**

ABSTRACT OF THE DISCLOSURE

A visual Web site analysis program, implemented as a collection of software
5 components, provides a variety of features for facilitating the analysis, management and
load-testing of Web sites. A mapping component scans a Web site over a network
connection and builds a site map which graphically depicts the URLs and links of the site.
Site maps are generated using a unique layout and display methodology which allows the
user to visualize the overall architecture of the Web site. Various map navigation and URL
10 filtering features are provided to facilitate the task of identifying and repairing common Web
site problems, such as links to missing URLs. A comparison tool enables the user to
generate a site map in which modifications made to the web site since a previous scanning
session are highlighted. A dynamic page scan feature enables the user to include
dynamically-generated Web pages within the site map. An Action Tracker module detects
15 user activity and behavioral data (link activity levels, common site entry and exit points,
etc.) from server log files and then superimposes such data onto the site map. A Load
Wizard module uses this activity data to generate testing scenarios for load testing the Web
site.

ROS-5313
062097